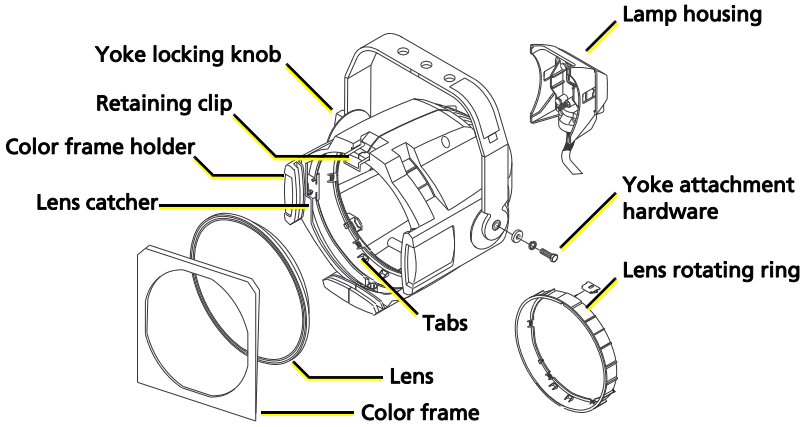
ETC User Manual
Source Four PAR

Basic Assembly



WARNING: Please note the following safety warnings before use:

- **Do not mount the fixture on or near combustible surfaces.**
- **Do not operate the fixture without a lens installed.**
- **Ensure that the retaining clip is locked before you hang the fixture.**

Corporate Headquarters ■ Middleton, WI, USA | +1 608 831 4116
Global Offices ■ London, UK | Rome, IT | Holzkirchen, DE | Paris, FR | Hong Kong Dubai, UAE | Singapore | New York, NY | Orlando, FL | Los Angeles, CA | Austin, TX
Web etcconnect.com | **Support** support.etcconnect.com
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7061M1001 Rev D Released 2021-04

Compatible HPL Lamps

CAUTION: *Do not use lamps other than the HPL in Source Four fixtures. Use of lamps other than HPL will void UL/cUL safety compliance and your warranty.*

Lamp Code	Watts	Volts	Initial Lumen	Color Temperature	Average Rated Life
HPL 750/77*	750	77	22,950	3,250 K	300 hours
HPL 550/77*	550	77	16,170	3,250 K	300 hours
HPL 550/77X*	550	77	12,160	3,050 K	2,000 hours
HPL 750/115	750	115	21,900	3,250 K	300 hours
HPL 750/115X	750	115	16,400	3,050 K	1,500 hours
HPL 575/115	575	115	16,520	3,250 K	300 hours
HPL 575/115X	575	115	12,360	3,050 K	2,000 hours
HPL 375/115	375	115	10,540	3,250 K	300 hours
HPL 375/115X	375	115	8,000	3,050 K	1,000 hours
HPL 750/120	750	120	21,900	3,250 K	300 hours
HPL 750/120X	750	130	16,400	3,050 K	1,500 hours
HPL 575/120	575	120	16,520	3,250 K	300 hours
HPL 575/120X	575	120	12,360	3,050 K	2,000 hours
HPL 750/230	750	230	19,750	3,200 K	300 hours
HPL 750/230X	750	230	15,600	3,050 K	1,500 hours
HPL 575/230	575	230	14,900	3,200 K	400 hours
HPL 575/230X	575	230	11,780	3,050 K	1,500 hours
HPL 375/230X	375	230	7,250	3,000 K	1,000 hours
HPL 750/240	750	240	19,750	3,200 K	300 hours
HPL 750/240X	750	240	15,600	3,050 K	1,500 hours
HPL 575/240	575	240	14,900	3,050 K	400 hours
HPL 575/240X	575	240	11,780	3,050 K	1,500 hours
HPL 375/240X	375	240	7,250	3,000 K	1,000 hours
* To be used with ETC Dimmer Doubler					

Install the HPL Lamp

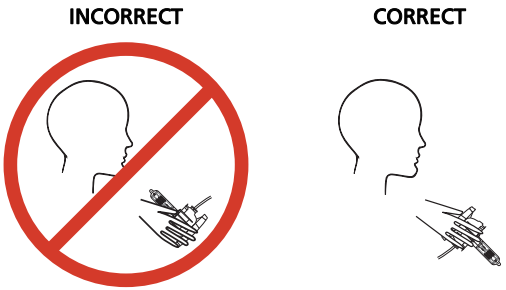
You must install a lamp before you use the fixture.

WARNING:

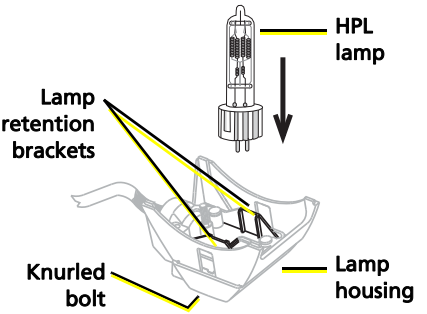
- **Do not operate the fixture without a lens installed.**
- **If you are replacing an existing lamp, unplug the fixture and allow it to cool before you change the lamp.**

CAUTION: *Use caution when installing or replacing any lamp. Improperly installed lamps can cause premature lamp failure and socket problems.*

- *Verify that the HPL lamp you intend to install is suitable for your facility's voltage. Operating an HPL lamp above the rated voltage reduces lamp life and can cause premature lamp failure.*
- *To avoid premature lamp failure, do not touch the lamp glass. If you accidentally touch the lamp glass, clean it carefully with isopropyl alcohol and a clean lint-free cloth. Allow to dry before applying power to the fixture.*
- *Point the lamp away from your face and away from others before inserting it firmly into the assembly. This may prevent injuries if the lamp should break.*



1. Disconnect power to the Source Four before installing the lamp.
2. Loosen the knurled bolt on the back of the lamp housing and pull the housing out.
3. Grasp the HPL lamp by its base and remove it from the box.
4. Align the flat sides of the lamp base with the retention brackets on either side of the socket as shown at right.

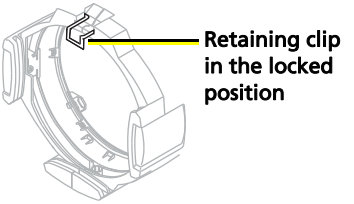


5. Push down on the lamp base until the lamp seats firmly. When properly installed, the top of the lamp's base will be even with the top edges of the retention brackets.
6. Reinstall the lamp housing by aligning the bolt hole and tightening the knurled bolt.

Color Frame Holder

The color frame holder is equipped with a spring-loaded retaining clip that prevents color frames and accessories from falling out.

Use only color frames or accessories with a 190 mm (7.5 in) mounting flange.



WARNING: Make sure all color frame accessories are secured with the retaining clip in the locked position before you hang the fixture.

1. Release the retaining clip by pushing it sideways while gently pulling backwards.
2. Insert the color frame.
3. Lock the retaining clip by pushing sideways while gently pushing forward.

Best Practices for Gel Use

The performance of saturated colors may be less than desirable in any theatrical lighting fixture, especially when the fixture uses a 750 W lamp. For best results, always use high-quality color media rated for high-temperature use.

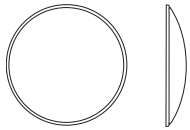
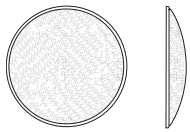
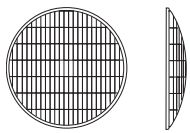
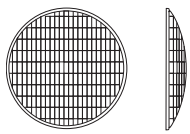
The ETC Gel Extender (part number PSF1029) provides maximum color media life. Be aware, though, that gel extender accessories may limit the coverage of any wide-angle lens or beam setting.

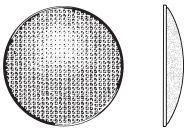
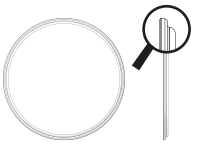
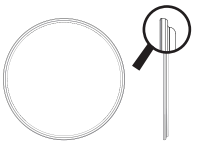
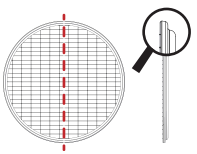
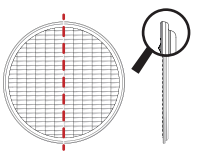
A variety of heat shield products are also available from many color media manufacturers. Follow the manufacturer's instructions for the use of these products.

Lenses

Lenses for the Source Four PAR come in five versions, and there are differences among four of the types depending on the date it was shipped. The type, or beam spread, can be identified by the lens texture.

The side view images below show the orientation in towards the fixture (➔) when installing a lens.

Date	Lens (In is ➔)	Description	Part Number
Original lenses, phasing out beginning 8/2020		VNSP (Very Narrow Spot) • Clear glass • 15° round beam shape	7061A4002
		NSP (Narrow Spot) • Stipple glass (slight diffuse texture) • 19° round beam shape	7061A4003
		MFL (Medium Flood) • Fewer facets, sized 6x22 mm • 21° x 34° oblong beam shape	7061A4005
		WFL (Wide Flood) • Many facets, sized 6x12 mm • 30° x 51° oblong beam shape	7061A4006

Date	Lens (In is ➔)	Description	Part Number
Any		XWFL (Extra Wide Flood) • Extra-wide, or buxom, lens • Molded, borosilicate lens, multi-faceted • 60° round beam shape	7061A4046
New lenses, phasing in after 08/2020		VNSP (Very Narrow Spot) • Clear glass • 15° round beam shape	7061A4075
		NSP (Narrow Spot) • Light stippling • 19° round beam shape	7061A4074
		MFL (Medium Flood) • Fewer facets • Vertical axis (dashed line on image) is in the center of facets • 21° x 34° oblong beam shape	7061A4072
		WFL (Wide Flood) • Many facets • Vertical axis (dashed line on image) is between facets • 30° x 51° oblong beam shape	7061A4073

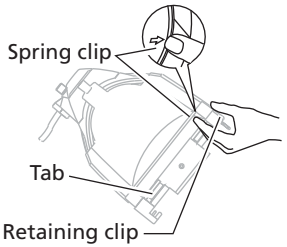
Change a Lens

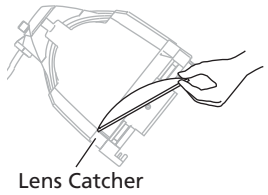
WARNING:
- **Unplug the fixture and allow it to cool before you change a lens.**
- **Do not remove or install lenses when the fixture is hanging.**

CAUTION:
- *Never operate the fixture without a lens in place.*
- *Change lenses if they become cracked or badly scratched.*

Remove a Lens

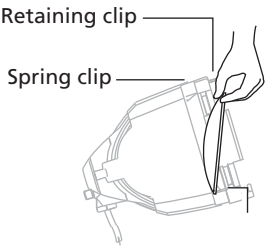
1. Place the fixture on a flat, stable work surface.
2. Position the lens rotation ring with the spring clip at the top of the unit, directly below the retaining clip.
3. Tilt the front of the fixture down at least 45°. See image at right.
4. Press the spring clip with your finger to release the lens.
5. Allow the lens to drop forward from under the clip.
6. When the lens drops, remove your finger, allowing the lens to slide forward until it rests on the lens catchers. See image at right.
7. Carefully remove the lens.





Install a Lens

1. Position the fixture with the front of the unit (lens side) facing you, and tilted slightly upward. See image at right.
2. Hold the lens by the edge and position it so the side to be oriented in toward the fixture faces the rear of the fixture. (See *Lenses* on *page 5* for correct orientation of lenses.)



Note: *Installing the lens with the wrong side out will not impair the optics, but it will make removing the lens difficult.*

3. From the top of the fixture, slide the lens behind the lens catchers and position it behind the tabs on the bottom of the lens rotator ring. Gently push the top of the lens inward until it snaps behind the spring clip.

Clean the Glass Lens and Reflector

WARNING: Do not use ammonia-based or other harsh commercial cleaners. Clean lens and reflector only as directed.

Commercially available glass cleaning agents may contain ammonia, other harsh chemical detergents, or abrasive agents. These cleaners may damage the glass surface and the Anti-Reflective coatings. Do not immerse or soak the glass in any cleaning solution.

Clean the Glass Lens

Replace lenses if they contain visible damage (cracks or deep scratches) that may impair their effectiveness.

Remove dust with a blast of oil-free air or wipe with a clean, lint-free cloth. Isopropyl alcohol, distilled water or a 50%-50% mixture of each can be used to clean the glass surface.

Clean the Reflector

WARNING: Unplug the fixture before attempting to clean the reflector.

To quickly clean the reflector, remove the lens (see *Remove a Lens* on *page 7*) and clean the dust from the reflector with a blast of oil-free air. You may also wipe the reflector with a clean lint-free cloth. If either method is not sufficient, follow these steps.

1. To protect the lamp housing during cleaning, remove the lamp housing by loosening the knurled bolt and pulling the housing straight out. See *Install the HPL Lamp* on *page 3*.
2. Remove dust with a blast of oil-free air or wipe with a clean, lint-free cloth. Isopropyl alcohol, distilled water or a 50%-50% mixture of each can be used to clean the glass surface.
3. Gently wipe the reflector.
4. Reinstall the lens using the steps in *Install a Lens* on *page 7*.
5. Reinstall the lamp housing and tighten the knurled bolt.